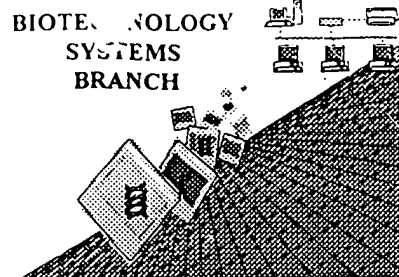


# **RAW SEQUENCE LISTING** **ERROR REPORT**



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/788,476

Source: 1646

Date Processed by STIC: 5-14-01

**RECEIVED**

MAY 30 2001

TECH CENTER 1600/2900

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

**FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.**

**FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.**

**PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)**

**PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:**

## **Checker Version 3.0**

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

**Checker Version 3.0 can be down loaded from the USPTO website at the following address:**

**<http://www.uspto.gov/web/offices/pac/checker>**

1646

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/788,476

DATE: 05/14/2001

TIME: 10:48:44

Input Set : A:\3669-0103P.ST25.txt

Output Set: N:\CRF3\05142001\I788476.raw

Does Not Comply  
Corrected Diskette Needed

p. 2

```

3 <110> APPLICANT: CHUNG, Ching M. et al.
5 <120> TITLE OF INVENTION: NOVEL GENES AND EXPRESSION PRODUCTS THEREFROM
7 <130> FILE REFERENCE: 3669-0103P
9 <140> CURRENT APPLICATION NUMBER: 09/788,476
10 <141> CURRENT FILING DATE: 2001-02-21
12 <160> NUMBER OF SEQ ID NOS: 4
14 <170> SOFTWARE: PatentIn version 3.0
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 894
18 <212> TYPE: DNA
19 <213> ORGANISM: human
21 <400> SEQUENCE: 1
22 gggagtggag tgaggggtaa caagatggcg accgagacgg tggagctcca taagctaaag      60
24 cttgccgaac taaagcaaga atgtcttgct cgtggtttgg agaccaaggg aataaagcaa      120
26 gatcttatcc acagactcca ggcatactct gaagaacatg ctgaagagga ggcaaagtga      180
28 gaagatgtac tgggagatga aacagaggaa gaagaacaa agccattga gctccctgtc      240
30 aaagaggaag aaccccctga aaaaactggt gatgtggcag cagagaagaa agtgggtgaaa      300
32 attacatctg aaataccaca gactgagaga atgcagaaga gggctgaacg attcaatgta      360
34 cctgtgagct tggagagtaa gaaagctgct cgggcagcta ggtttgggat ttcttcagtt      420
36 ccaacaaaag gtctgtcatc tgataacaaa cctatggtta acttggataa gctgaaggaa      480
38 agagctcaaa gatttggttt gaatgtctct tcaatctcca gaaagtctga agatgatgag      540
40 aaactgaaaa agaggaagga gcgatttggg attgtcacia gttcagctgg aactggaacc      600
42 acagaggata cagaggcaaa gaagaggaaa agagcagagc gctttgggat tgcctgatga      660
44 aaagttcctg atactttctg ttctccagtg ttttccattt ctctccttct tcttgggtcac      720
46 atatatgcct aaatgcacag tcatgtgcct acgtcctgcc tcgcaatgag ggagcatgta      780
48 ccccaggtac atccatgaac tgcggcagca gtttgactta ttgctgtttc agctttaagg      840
50 ttgttgtgtt tttgtttttg attatgttgc ttgttaataa aaaaaaatag aaaa      894

53 <210> SEQ ID NO: 2
54 <211> LENGTH: 210
55 <212> TYPE: PRT
56 <213> ORGANISM: human
58 <400> SEQUENCE: 2
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61 1 5 10 15
63 Lys Gln Glu Cys Leu Ala Arg Gly Leu Glu Thr Lys Gly Ile Lys Gln
64 20 25 30
66 Asp Leu Ile His Arg Leu Gln Ala Tyr Leu Glu Glu His Ala Glu Glu
67 35 40 45
69 Glu Ala Asn Glu Glu Asp Val Leu Gly Asp Glu Thr Glu Glu Glu Glu
70 50 55 60
72 Thr Lys Pro Ile Glu Leu Pro Val Lys Glu Glu Pro Pro Glu Lys
73 65 70 75 80
75 Thr Val Asp Val Ala Ala Glu Lys Lys Val Val Lys Ile Thr Ser Glu
76 85 90 95
78 Ile Pro Gln Thr Glu Arg Met Gln Lys Arg Ala Glu Arg Phe Asn Val
79 100 105 110
81 Pro Val Ser Leu Glu Ser Lys Lys Ala Ala Arg Ala Ala Arg Phe Gly

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/788,476

DATE: 05/14/2001

TIME: 10:48:44

Input Set : A:\3669-0103P.ST25.txt

Output Set: N:\CRF3\05142001\I788476.raw

82                    115                    120                    125  
84 Ile Ser Ser Val Pro Thr Lys Gly Leu Ser Ser Asp Asn Lys Pro Met  
85                    130                    135                    140  
87 Val Asn Leu Asp Lys Leu Lys Glu Arg Ala Gln Arg Phe Gly Leu Asn  
88 145                    150                    155                    160  
90 Val Ser Ser Ile Ser Arg Lys Ser Glu Asp Asp Glu Lys Leu Lys Lys  
91                    165                    170                    175  
93 Arg Lys Glu Arg Phe Gly Ile Val Thr Ser Ser Ala Gly Thr Gly Thr  
94                    180                    185                    190  
96 Thr Glu Asp Thr Glu Ala Lys Lys Arg Lys Arg Ala Glu Arg Phe Gly  
97                    195                    200                    205  
99 Ile Ala  
100                    210  
102 <210> SEQ ID NO: 3  
103 <211> LENGTH: 873  
104 <212> TYPE: DNA  
C--> 105 <213> ORGANISM: Artificial  
107 <220> FEATURE:  
108 <223> OTHER INFORMATION: PCR Product  
110 <400> SEQUENCE: 3  
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113 cgaactaaag caagaatgtc ttgctcgtgg tttggagacc aagggataaa agcaagatct 120  
115 tatccacaga ctccaggcat atcttgaaga acatgctgaa gaggaggcaa atgaagaaga 180  
117 tgtactggga gatgaaacag aggaagaaga aacaaagccc attgagctcc ctgtcaaaga 240  
119 ggaagaaccc cctgaaaaaa ctgttgatgt ggcagcagag aagaaagtgg tgaaaattac 300  
121 atctgaaata ccacagactg agagaatgca gaagagggct gaacgattca atgtacctgt 360  
123 gagcttggag agtaagaaag ctgctcgggc agctagggtt gggatttctt cagttccaac 420  
125 aaaaggctctg tcactctgata acaaacctat ggtaacttg gataagctga aggaaagagc 480  
127 tcaaaagattt ggtttgaatg tctcttcaat ctccagaaaag tctgaagatg atgagaaact 540  
129 gaaaaagagg aaggagcgat ttgggattgt cacaagttca gctggaactg gaaccacaga 600  
131 ggatacagag gcaaagaaga ggaaaagagc agagcgcttt gggattgcct gatgaaaagt 660  
133 tcctgatact ttctgttctc cagtgttttc catttctctc cttcttcttg gtcacatata 720  
135 tgcctaaatg cacagtcatg tgcctacgtc ctgcctcgca atgaggagagc atgtaccoca 780  
137 ggtacatcca tgaactgcgg cagcagtttg acttattgct gtttcagctt taaggttgtt 840  
139 gtgtttttgt ttttgattat gttgcttggt aat 873  
142 <210> SEQ ID NO: 4  
143 <211> LENGTH: 690  
144 <212> TYPE: DNA  
145 <213> ORGANISM: human  
147 <400> SEQUENCE: 4  
148 caggggcagc agtgattatc tgaactcgga tctttaaaat tgtggtagct ctaaagctga 60  
150 tgatgtcttg ttaggaagtg gctcttgccc gccccagccc caccgccagt tccttaagcc 120  
152 cgccccatgc cctctccagc ttctctctca tgttcatcgg ttttttcagg gctcccttca 180  
154 acgctcccct ctcaagtatt aggtcaccac tccctcggcg cccctttcgc ctcccacat 240  
156 ttttctcag caacccttac agtctttgca gctcctacct gccagctcag atccccgtcc 300  
158 ggctatgggc gcggcgccgg ctaccacacc tgaagtctcc aggaagtaac gcctctcctt 360  
160 ctgccccctt cctgttgag gaacagaatc agcgtgccca ccaccattg gttggtggtc 420  
162 tgtaatgcag aagcacagt ggttgccatt tctgtcgttc gcaagatata gtgcccgcc 480  
164 ctctccagat tccacctttt gaaagagggt gggcaagctg ctagagaag tgagagcgac 540

*Incomplete <213> response as  
per section 1.8236 of the new  
sequence rules. See #11 on the  
Error Summary Sheet.*

RAW SEQUENCE LISTING                      DATE: 05/14/2001  
PATENT APPLICATION: US/09/788,476              TIME: 10:48:44

Input Set : A:\3669-0103P.ST25.txt  
Output Set: N:\CRF3\05142001\I788476.raw

|     |            |            |            |            |            |            |     |
|-----|------------|------------|------------|------------|------------|------------|-----|
| 166 | gtcagctatt | gaccaatggg | aagagctgat | ggtatggcgt | gggagcaaga | gtgacaacga | 600 |
| 168 | ttggtcagcc | ttgcatctct | acgcctaagg | cgggaactcc | tggaggcgga | ggccgcgggt | 660 |
| 170 | gggggggagt | gagtgagggg | taacaagatg |            |            |            | 690 |

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/788,476

DATE: 05/14/2001

TIME: 10:48:45

Input Set : A:\3669-0103P.ST25.txt

Output Set: N:\CRF3\05142001\I788476.raw

L:105 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3